

device, when entering in range of said external transmitting/receiving device;
said computer program comprises steps of:

AB transmitting a communication-ready signal and said service information request stored in said memory, via said transmitting/receiving unit, to said external transmitting/receiving device;

receiving service information via said external transmitting/receiving device in response to said transmitted service information request; and

displaying said received service information on said display.

REMARKS

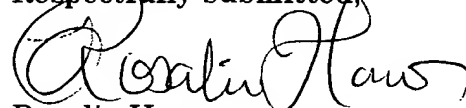
The specification was amended to be consistent with the drawings, and to correct translation, idiomatic, grammatical and typographical errors.

Claims 1-39 are presented for examination. Claims 1-6, 9-17, 19-23, and 26-39 were amended to bring the claims, which were originally filed in a foreign language, into greater conformance with U.S. practice, but the new claims are not intended to be narrower in scope than their counterpart originally claims.

No new matter is introduced by the above amendments.

Favorable consideration is respectfully requested.

Respectfully submitted,



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Version With Markings to Show Changes Made To Specification**Seventh to Eleventh Paragraphs on page 19.**

Fig. 10 shows an alternate example of placement of the read/write device 45. ~~illustrates a watch 50 used in the system.~~

Fig. 11 illustrates a configuration of a watch 50 used in ~~is a sequence chart showing operation of the system.~~

Fig. 12 is a flowchart showing operation of the watch 50.

Fig. 13 illustrates circulation of service information.

Fig. 14 shows the flow of additional services information. ~~shows an example of contents of the display unit 514.~~

Paragraph beginning on page 20, line 2

Fig. 25 shows an example of a personal system including a personal computer (PC) connected to through a public network to a read/write device 45. ~~contents displayed in a portable wireless device based on the second embodiment.~~

From Last paragraph on page 20 through Second paragraph on page 21

The system server 10 is connected to all of the station systems 40 via public network 30 for exchange of data ~~with~~ between station systems 40. For example, if a train service is unexpectedly suspended due to an occurrence of an accident, system server 10 receives information about the accident and suspension of the train from a first station system 40 ~~of belonging a to the~~ station nearest to where the accident has occurred, and transmits the information to each of the other station systems 40. Contents sever 20 manages information to be provided to passengers (users), such as transfer information or service information, as will be described later. Contents server 20 is, similar to system server 10, connected to station systems 40 via the public network and is able thereby to transmit various kinds of information to each of station systems 40.

Fig. 2 shows a configuration of one of station systems 40. As shown, this station system 40 has a station server 41 and a plurality of read/write devices 45. Station server 41 has a control unit (not shown) for adjusting fares; controlling a user's entry or exit; and providing information to users. Specifically, station server 41, firstly, verifies ticket data of a user and controls the user's entry or exit. Further, station server 41 calculates adjustments in fares. In addition, station server 41 stores in a memory 43 information sent by system server 10 (Fig. 1), and transmits it via one of the read/write devices 45 to wristwatch 50. A computer program stored in the control unit (not shown) executes these operations.

From Second through Fourth paragraphs on page 22

Station server 41 recognizes which stations a user will be required to use in transferring transportation means, by referring to railroad route memory 43x upon receiving information about a departure point and destination of the user. Transfer memory 43a stores information about transfer stations which the system 100 covers. In this embodiment, a transfer station refers to a station at which a plurality of trains arrive and depart from, and at which a user can transfer. In Fig. 4, B station ~~B~~ and D station ~~are~~ correspond to such stations.

Fig. 5 shows typical contents stored in transfer station memory 43a. Memory 43a has platform information 431 and platform guide map 432. Platform information 431 includes information about platform numbers; railway names; and platform arrival and departure information, and destinations of trains from each transfer station (here ~~station B~~ and D stations). As shown, such information is categorized and stored for correspondences Information 431 enables a user to obtain information about which platform a user needs to use in moving from, or in transferring ~~at to~~, a transfer station. Platform guide map 432 contains information about locations of stairs, ticket gates and other facilities provided in a transfer station (here ~~stations B~~ and D stations).

Fig. 5 shows platform guide map 432 of ~~station B~~ station. Information

432 is designed to inform a user which route and platform for transfer is most appropriate. Timetable memory 43b stores timetables of trains which system 100 covers. Urgent information memory 43c contains urgent information about delays which may have occurred, for example, due to inclement weather, accident and so on. Thus, in the event that train is delayed, as a result of, for example, an accident, system server 10 transmits relevant information to each station server 41, and the information is stored in urgent information memory 43c of each station server 41. Optional information memory 43d stores additional service information, such as for lunch box shops in a station, business hours of kiosks, or stores along a line. Furthermore, service information registered by users beforehand in contents server 20 is also stored in memory 43d. Passenger management memory 43e stores information about passengers who use a station where station server 41 is provided, including a number of passengers who have used the station or a railway, and an amount of a fare a user has paid.

Paragraph beginning on page 23, line 27

Figs. 7 and 8 are external perspective views of the read-/write device 45 provided at a ticket gate terminal G of a station. As shown, loop antennas 45e are embedded in gate terminal G, which includes gate 45f, to exchange data. When a user approaches gate terminal G and a wristwatch 50 and loop antenna 45e come within a ~~certain~~ predetermined distance of each other, bi-directional data communication by radio is carried out between read/write device 45 and wristwatch 50.

_____ It is possible for read/write circuits 45 to be provided beside stairs, as shown in fig. 9 or embedded in a platform, as shown in fig. 10, in system 100. Providing read/write circuits 45 in various locations in a station enables users to acquire updated information easily.

Paragraph beginning on page 25, line 19

The outline of an operation followed by a concrete operation will now

be described in reference to gate terminal G of Fig. 7.

1-B-1: Outline of the operation

Paragraph beginning on page 26, line 7

If authentication fails, read/write device 45 transmits an authentication failure signal and conducts no further communication with wristwatch 50. In addition, gate 45f (Fig. 7) is caused to be closed to prevent the passage of the user. If authentication is completed, read/write device 45 transmits an authentication complete signal to wristwatch 50 (step S103). When the wristwatch receives the signal from read/write device 45, it transmits a signal confirming authentication to read/write device 45 (step S104). Next read/write device 45 transmits a data demand signal to the wristwatch 50.

_____ When wristwatch 50 receives the demand it transmits user traffic information stored in memory 506 (Fig. 11) including train names, reservation seat number as data to read/write device 45 (step S106). When read/write device 45 receives the data, it forwards it to a station server 41 (Fig. 2) in which device 45 is provided (step S107).

Paragraph beginning on page 26, line 21

When station server 41 receives the data, it determines whether to permit the user to pass through the gate. For example, when a user is about to exit a station though gate terminal G, station server 41 checks ticket data to determine whether a destination designated by the data coincides with a station where gate terminal G is ~~provided~~ located. If incongruence is found in the data, the read/write device carries out a prescribed operation such as closing gate ~~49~~ 45f (Fig. 7) to prohibit passage of the user. If the data is judged as being correct, read/write device 45 accesses memory 43 (Fig. 3) to extract information about trains corresponding to the data. For example, read/write device 45 accesses urgent information memory 43c to check whether any corresponding train service is delayed or suspended (step S108). Subsequently, read/write device 45 accesses optional memory 43d to extract service information corresponding

to the user based on the ID receipt from wristwatch 50 and transmits any urgent information and service information to wristwatch 50 through read/write device 45 (steps S109 and S110).

From Last paragraph on page 28 through Last paragraph on page 35

In the case that wristwatch 50 receives a large amount of data, display unit 514 is not able to display all of it simultaneously. Consequently, wristwatch 504 displays a part of data stored in memory 506 which can be displayed on display unit 514 when the user presses a prescribed button (not shown) (step S210; YES) (step S211).

_____ In the case that the button is not pressed during a certain period of time after displaying information received from read/write device 45 (step S210; NO), the display unit shows a time instead of information (step S230). Even in the case that the user moves out of radio communication distance from read/write device 45, the user is still able to push the button to retrieve and display information stored in memory 506 of wristwatch 50.

1-B-3: Details of the operation:

This operation will now be described in more detail with reference to Fig. 4. In the following, suppose that a user with wristwatch 50 intends to ride X-railway ~~X~~ at A station ~~A~~, get off at B station ~~B~~, transfer there to Y-railway ~~Y~~, and get off at C station ~~C~~.

Suppose that a ticket data stored in the memory 506 of the wristwatch 50 includes the following information:

1. Departure station; A station ~~A~~
2. Destination; B station ~~B~~
3. Reserved train name; Y-railway ~~Y~~, limited express No. 1 (from B station ~~B~~ to C station ~~C~~)
4. Reserved seat number; No.1 in car 1

It will now be described how and what information a user obtains from station

systems 40A of A station A and ~~40B of B station B~~ under the above conditions.

1-B-3-1: Information the user obtains from station system 40A

At first, it will now be described what information is provided to the user at A station A. ~~A station server 41A of within~~ station system 40A of A station receives the above-mentioned ticket data through one of its read/write devices 45, provided at A station A and collects the following information.

(a) Information about a route from the departure station to the destination:

The station server 41A of A station recognizes that the user's departure ~~station and the destination stations of the user~~ are A and B stations, respectively. Next it accesses traffic route memory 43x and determines that the user should transfer at B station B. Next it determines an appropriate route for the user, in other words, that the user should go to B station B by X-railway X then to C station C by Y-railway Y.

(b) Information about a train designated by a user:

Judging from the ticket data including information that the user will use limited express no. 1 of Y-railway from B station to C station, station server 41A of A station accesses timetable memory 43b to retrieve information about the train (departure time, platform number at which the train will arrive in). In addition, it accesses its urgent information memory 43c to check whether the train is delayed or suspended. In checking ~~the its~~ urgent information, it is preferable ~~for that~~ station server 41A of A station ~~to demand transmission of the~~ most recent available information ~~to from~~ system server 10.

(c) Information about a transfer station:

In this example, the transfer station is B station. System server 41A of A station determines a route in transferring from X-railway X to Y-railway at B station B by ~~referring~~ referencing platform information 431 (Fig. 5) and platform guide map 432 (Fig. 5) stored in transfer station memory 43a of B

station-B.

To be more specific, judging from platform information 431, station server 41A of A station determines that the user should move from platform no. 1 to platform no. 3 at B station-B to transfer from X-railway X to Y-railway. And judging from the platform guide map 432, it determines what route the user should follow from platform no. 1 to no. 3.

In addition, station server 41A of A station A calculates ~~a~~ the time available to the user at B station-B. Specifically, ~~an~~ the amount of time available for transfer is calculated based on ~~a~~ the time ~~taken~~ required to travel from A station A to B station, which information is calculated by accessing timetable memory 43b, departure time of the train designated by the ticket data (limited express no. 1 of Y-railway-Y), and ~~a~~ the present time.

(d) Optional information:

Fig. 14 shows the flow of service information other than the above transportation information. Service information is, for example, information about restaurants around a station or contents such as news.

_____An information provider, such as ~~an~~ the owner of a restaurant, can ~~resister~~ register with contents server 20 an advertisement including location, business hours, and sales offers by accessing contents server 20 (step S63) and paying a fee, for example. Registered contents are sent to corresponding station server 41.

_____A user accesses, in advance, contents server 20 to register contents, or service information, the user wishes to obtain in association with an ID number which uniquely identifies the user's wristwatch 50 (step S61). For example, a user registers requests for information on restaurants in the surrounding area of ~~information around a~~ station and sports news as service information. Contents server 20 transmits the registered contents to the corresponding station server 41 (step S64) to store it in optional memory 43d.

After registration by an information provider and a user of a wristwatch

50 is finished, firstly, authentication and fare adjustment is carried out in communication between a wristwatch and a read/write device 45 (step S65). In the fare adjustment operation, a computer program for adjusting the fare and stored in station server 41 of A station A is used. Secondly, the station server 41 identifies an ID number to determine whether it has service information to be transmitted to ~~a~~ the user's wristwatch with having the a corresponding ID number. If affirmative, the station server transmits such information via read/write device 45 to the wristwatch 50 (step S66). ~~As described above, information~~ Information is transmitted to the wristwatch in the manner described above. In other words, a user is not only able to pay ~~automatically,~~ transportation charges automatically, but is also able to obtain prescribed information on the basis of a registered ID number.

Figs. 15 through 20 shows examples of information which is transmitted from a station server 41 and displayed on display unit 514 of a wristwatch 50. Fig. 15 shows an example of a display unit 514 showing a ~~section station~~ a user travels on, a fare the user paid, and the balance after a fare adjustment operation is carried out at a ticket gate terminal G.

_____ At the beginning of ~~provision of~~ when transportation information is provided, an image shown in fig. 16 is displayed on unit 514, for example. Fig. 17 shows information about a route that a station server 41 has determined based on ticket data, including ~~a the~~ the departure station and destination station of a user. The user can readily understand how to travel from A station-C ~~from to~~ C station-A; and not only is a text explanation made available for display, a graphic explanation is also made available.

Fig. 18 shows information displayed about trains ~~which that~~ a user should take. Also displayed is ~~a the~~ the time available for the user ~~in transferring to~~ transfer at B station-B, in addition to a departure time and a reserved seat on trains designated by the user. By obtaining such information in this way, a user may proceed at his or her leisure at B station-B, for example.

Fig. 19 shows optional information about a lunch box shop available in

the vicinity of B station-B. As shown, the user can also obtain information related to the transfer station, while still at A station-A. By obtaining such information in advance, the user can manage time in transferring at B station efficiently.

_____ It is possible for the above displayed images shown in Figs. 15 through 20 to be automatically switched, for example, every ten seconds by central control 505 of the wristwatch 50, or for the user to operate external input unit 507 to switch images. Further, it is possible for a sound generation unit 511, vibration unit 512, or light-emitting unit 513 to be driven to notify the user when the mobile wireless device is receiving information.

1-B-3-2: Information the user obtains from the station system 40~~B~~ of B station B:

There will now be described contents of information a user obtains at B station-B (transfer station). When station server 41~~B~~ of B station-B receives ticket data from wristwatch 50 through one of the ~~its~~ read/write devices 45~~B~~, it collects the following information.

(a) Information about a route from a departure station to a destination station:

First, station server 41 of B station recognizes that the starting station is A station-A, and the destination station is C station-B. Then it accesses railroad route memory 43x of the station server 41 of B station to determine that B station B is the transfer station, and that the user should take Y-railway Y from B station B to C station, taking into consideration that the user is presently in B station-B.

(b) Information about trains designated by a user:

As mentioned above, ticket data includes the information that the user will proceed from B station B to C station by train (limited express no. 1 of Y-railway-Y). Therefore the station server 41 of B station accesses timetable memory 43b to retrieve information related to the train, such as a departure time at B station and a platform number from which the train will depart. It also

accesses urgent information memory 43c to check whether the train has been delayed or suspended.

(c) Information about the transfer station:

The station server 41 of B station accesses to the transfer information memory 43a and refers to platform information 431, thereby recognizing that the user should move from platform no._1 to no._3, to transfer from X-railway to Y-railway at B station. Next, it refers to platform guide map 432, to determine which routes the user should follow in moving from platform no._1 to no._3. Additionally, it calculates a the time available to the user in which to complete the transfer, based on the departure time of the train (limited express no._1 of Y-railway) and a the present time. After retrieving this information, the station server 41 of B station transmits it to wristwatch 50 through read/write device 45.

Figs. 21 and 22 show that information received by wristwatch 50 is displayed on display unit 514. Fig. 21 shows that information about the train designated by the user (limited express no._1 of Y-railway) is displayed. When viewing display unit 514, the user immediately understands that the train will depart on schedule and it would be best to use the stairs to go to platform no._3. Preferably, a graphic representation providing a guide map of B station and a route to be taken in transferring is provided, as shown in fig. 22. In addition, information on a present location (G) of the user and a boarding point (J) corresponding to a car of the train the user is expected to ride on, and available stairs is provided to prevent the user from becoming lost at B station. If there are a variety of possible routes, the station server 41 of B station specifies the most appropriate one (for example, the stairs nearest to boarding point (J) are selected) and this information is transmitted to the user to enable efficient transfer.

Fig. 23 shows display of information about a delay of a train service. In case that a train service is delayed or suspended, a user can obtain real time information without the need to consult a station employee or listen to

information broadcast in stations. In Fig. 24 a time is displayed on display unit 514. It is possible for wristwatch 50 to additionally receive information about a news flash or up-to-the-minute sports news in addition to a displayed time.

_____ Up to this point the system 100 has been described. In using system 100, a user with wristwatch 50 having information about a departure station, destination, trains which the user is expected to take, and other related information, such as ticket data, so that the user can easily obtain information about not only transfer stations but also urgent delays or suspensions in services of trains.

C: Supplement

(1)(2) _____ In this embodiment the user needs to transfer only once at B station B.

_____ However, this invention is applied similarly to a case in which the user has to transfer ~~twice~~ two or more times. Suppose that a user is expected to travel from A station A to E station E using a traffic route shown in Fig. 4.

_____ In this case, the station server 41 of A station determines that B and D stations are the transfer stations by referring to the railroad route memory 43x. Then the station server 41 of A station collects information about B and D stations, respectively, by referring to transfer station memory 43a and transmits it to wristwatch 50. From this, the user is able to determine that it is necessary to transfer at B station B and at D station, and to obtain information relating to station B and D stations (including a route and time available ~~in which to for~~ transfer at each station). A fare can be paid at either a departure station or destination station.

Paragraph beginning on page 36, line 19

(4) Fig. 25 shows an example of a system in which a personal system 70 comprising a personal computer (PC) 71 connected to a read/~~wrote~~ write device 45 is connected to a public network 30.

_____In this system, it is possible for data communication to be carried out by software installed in the PC 71. This personal system 70 is provided at an office or a home, and a user can obtain information about trains and stations and other traffic information while at home or in a office. Furthermore, it is possible for a computer program stored in a memory 506 of a wristwatch to be rewritten by downloading a new program via the read/write device 45 connected with a PC and the Internet. This helps a user update the program or correct attributes. Preferably, a user is able to update the program for controlling a wristwatch and via read/write devices at a ticket sales window, kiosk, and information desk in a station. It is possible for the program to be distributed via computer readable storage media such as a CD-ROM, MO, and flash memory.

Version With Markings to Show Changes Made To Claims

1. (Amended) A wireless information distribution system comprising:

_____ a wireless information distribution device and a portable wireless device;

_____ said wireless information distribution device ~~comprising~~ including:

_____ an external transmitting/receiving device for carrying out wireless communication with said portable wireless device;

_____ a first memory for storing service information; and

_____ a first control unit for retrieving service information from said first memory for transmission to said portable wireless device; in response to, and

corresponding to, a service information request sent by said portable _____ wireless device to said external transmitting/receiving device; when _____ within range of said external transmitting/receiving device, ~~service information for transmission to said portable~~

~~wireless device, and said first control unit being further effective for controlling the transmitting of~~ said retrieved service information to said portable wireless device; and

_____ said portable wireless device ~~comprising~~ including:

_____ a second memory for storing said service information request;

_____ a display;

_____ a transmitting/receiving unit for carrying out, ~~when within range,~~ wireless communication with said wireless information distribution device when within range of said wireless information distribution device; and

_____ a second control unit for transmitting via said transmitting/receiving unit a communication-ready signal and said service information request stored in said second memory ~~of said portable wireless device to said external transmitting/receiving device, and for displaying on said display service information sent, in response to said service information request, from said external transmitting/receiving device~~ in response to said service information request on said display.

2. (Amended) The wireless information distribution system of claim 1, wherein –said external transmitting/receiving device transmits a communication request signal at regular intervals; and said second control unit of said portable wireless device, upon receiving said communication request signal via said transmitting/receiving unit, transmits said service information request via said transmitting/receiving unit to said wireless information distribution device.

3. (Amended) The wireless information distribution system of claim 1, wherein:

_____ said service information request is for user transportation information, ~~which information~~ that includes a departure point and destination point of a user;

_____ said first memory ~~of said wireless information distribution device~~ storing service information relating to the movement of at least one transportation means; and

_____ said first control unit ~~of said wireless information distribution device~~ retrieving from said first memory, service information about the movement of a specific transportation means specified in said service information request.

4. (Amended) The wireless information distribution system of claim 1, wherein:

_____ said service information request is for user transportation information ~~which~~ that includes a departure point and destination point of a user;

_____ said first memory ~~of said wireless information distribution device~~ storing information on various departure points and destinations points, and on various corresponding transportation means, transfer points, and transfer options at said various transfer points usable in traveling from said various transportation departure points to said various destination points; and

_____ said first control unit of said ~~wireless information distribution device~~ retrieving from said first memory of said ~~wireless information distribution device~~, service information corresponding to said service information request, wherein said service information relates to at least one of said various departure points, destination points, transpiration means, transfer points, and transfer point options.

5. (Amended) The wireless information distribution system of claim 1, wherein:

_____ said service information request includes information for identifying a user and includes an entry/exit request of from said user;

_____ said wireless information distribution device having an entry/exit controlling device; and

_____ said external transmitting/receiving device being provided in the vicinity of said entry/exit controlling device; and

_____ wherein when said first control unit of said ~~wireless information distribution device~~ receives an entry/exit request via said transmitting/receiving device, said first control unit judges-determines whether to allow the request, and controls the said entry/exit controlling device ~~based on the judgment in accordance with the determination.~~

6. (Amended) The wireless information distribution system of claim 1, wherein:

_____ said service information request includes user attributes;

_____ said first memory of said ~~wireless information distribution device~~ storing stores said service information and corresponding user attributes; and

_____ said first control unit of said ~~wireless information distribution device~~ retrieving from said first memory of said ~~wireless information distribution device~~, service information corresponding to said user attributes.

9. (Amended) A wireless information distribution device comprising:

_____ a memory for storing service information;
_____ an external transmitting/receiving device for carrying out radio communication with a mobile wireless device located within range of said external transmitting/receiving device; and
_____ a control unit for retrieving service information from said memory for transmission to a portable wireless device, in responsive to, and corresponding to, a service information request sent by said portable wireless device to said external transmitting/receiving device, when within range of said external transmitting/receiving device, ~~service information for transmission to said portable wireless device~~, and transmitting said retrieved service information via said external transmitting/receiving device.

10. (Amended) The wireless information distribution device of claim 9, ~~wherein said wireless information distribution has~~ further including an entry/exit controlling device;

_____ ~~wherein an~~ said external transmitting/receiving device is provided in the vicinity of said entry/exit controlling device; and

_____ wherein said control unit, when receiving user information from said mobile wireless device for identifying a user and a user entry/exit request, ~~judges-determines whether to allow the grant said user entry/exit request, and controls thereby controlling the said entry/exit controlling device based on the judgment in accordance with the determination.~~

11. (Amended) The wireless information distribution device of claim 9, wherein said service information request includes user attributes; said memory stores said service information and the corresponding said user attributes; and

_____ said control unit retrieves, from said memory, service information corresponding to said user attributes included in said service information

request.

12. (Amended) The wireless information distribution device of claim 9, wherein:

_____said service information request is for user transportation information including a departure point and destination point of a user;

_____said memory stores movement information of at least one transportation means ~~information~~; and

_____said control unit retrieves, from said memory, service information about the movement of said the transportation means specified in said user transportation information.

13. (Amended) The wireless information distribution device of claim 9, wherein:

_____said service information request is for user transportation information including a specific departure point and specific destination point of a user;

_____said memory stores information on various departure points and destinations ~~points, and various~~ along with any corresponding transfer points for various transformation transportation means, said memory further storing transfer options at for said various transfer points usable in traveling from said various departure points to said various destination points; and

_____said control unit retrieves information on ~~said a~~ desired transportation means, ~~and its corresponding transfer points, and methods for transferring transfer options in for~~ traveling from said specific departure point to said specific destination point.

14. (Amended) The wireless information distribution device of claim 13, wherein said transfer options ~~information about said methods for transferring~~ includes routes for use in changing ~~said~~ transportation means at ~~said~~ transferring points.

15. (Amended) The wireless information distribution device of claim 14, wherein said transfer option ~~information about methods for transferring~~ includes information about any of stairs, escalators, or elevators available for said user.

16. (Amended) The wireless information distribution device of claim 13, wherein said ~~the~~ information about on transfer points includes any wait time expected at a given transfer point ~~amount of time available to a user in changing said transportation means.~~

17. (Amended) The wireless information distribution device of claim 13, wherein said various transportation means includes any of a train, bus, airplane, or ship.

19. (Amended) A portable wireless device for ~~carrying out radio~~ communication with an external transmitting/receiving device ~~comprised of~~ having a wireless information distribution device, said portable wireless device comprising:

_____ a transmitting/receiving unit for carrying out radio communication;

_____ a memory for storing a service information request;

_____ a display; and

_____ a control unit, for transmitting, ~~when within range,~~ a communication ready signal and said service information request to said external transmitting/receiving device when within range of said external transmitting/receiving device, and for displaying on said display service information sent from said external transmitting/receiving device; in response to said service information request, ~~from said external transmitting/receiving device.~~

20. (Amended) The portable wireless device of claim 19, wherein:
_____said memory further stores user information for identifying said a user;
and
_____said service information request includes said user information ~~and~~ along
with a user entry/exit request.

21. (Amended) The portable wireless device of claim 19, wherein:
_____said memory includes user attributes;
_____said service information request includes said user attributes; and
_____said service information ~~received via~~ sent from said
transmitting/receiving unit corresponds to said user attributes.

22. (Amended) The portable wireless device of claim 19, wherein:
_____said memory stores user transportation information including a departure
point and destination point of a user;
_____said service information request includes said user transportation
information; and
_____said service information ~~received via~~ sent from said
transmitting/receiving unit ~~is for~~ includes information about movement of ~~said a~~
transportation means specified in said user transportation information.

23. (Amended) The portable wireless device of claim 19, wherein:
_____said service information request is for user transportation information on
~~user a~~ transportation means, including a departure point and a destination
point of a user; and
_____said service information ~~received via~~ sent from said
transmitting/receiving unit ~~is for~~ includes information on said transportation
means, transfer points, and methods for transferring in traveling from said
departure point to said destination point.

26. (Amended) A method for controlling a wireless information distribution device, wherein the information distribution device ~~comprises~~ includes:
a memory for storing service information;
an external transmitting/receiving device for ~~carrying out~~ radio communication with a portable wireless device when within range of the portable wireless device; and

a control unit, ~~;~~ said

the method comprising the steps of:

_____storing service information;

_____receiving a service information request ~~of a user of~~ from said portable —
—wireless device;

_____—retrieving service information corresponding to the said received
service information request; and

_____—transmitting said retrieved service information via said external —
—transmitting/receiving device.

27. (Amended) The method for controlling a wireless information distribution device of claim 26, wherein said wireless information distribution device has an entry/exit controlling device; ~~and~~

said external transmitting/receiving device is ~~provided~~ located in the vicinity of said entry/exit controlling device;

~~the~~ said method further comprising the steps of:

_____receiving user information for identifying a user, and receiving an
entry/exit request of said user;

_____ determining ~~judging~~ whether to ~~give~~ grant permission for the said
entry/exit request; and

_____controlling the said entry/exit controlling device in accordance with said
determination, ~~based on the judgment~~.

28. (Amended) The method for controlling a wireless information distribution

device of claim 26, wherein said service information request includes user attributes having a correspondence to selected service information;

~~the said~~ method further comprising the steps of:

_____ storing said user attributes ~~corresponding to said service information~~; and
_____ retrieving said selected service information corresponding to said user attributes.

29. (Amended) The method for controlling a wireless information distribution device of claim 26, wherein said service information request is for user transportation information and includes a departure point and destination point of a user;

~~the said~~ method further comprising the steps of:

_____ ~~determining~~ identifying ~~said a specific~~ transportation means corresponding to said user transportation information included in said service information request; and
_____ retrieving ~~said service information~~ about the movement of said specified transportation means.

30. (Amended) The method for controlling a wireless information distribution device of claim 26, wherein said service information request is for user transportation information and includes a specific departure point and a specific destination point ~~of a user~~;

~~the said~~ method further comprising the steps of:

_____ storing information on various departure points and destinations points, ~~and various corresponding transformation~~ transportation means; and their transfer options at said various transfer points usable in traveling from said departure points to said destination points;
_____ retrieving service information about at least one of said various transportation means, transfer options, and transfer points corresponding to said user transportation information included in said service information request.

31. (Amended) A method for controlling a portable wireless device;
in communication with the a mobile wireless device comprising:
having a memory for storing service information desired by a user of said
portable wireless device; and having an external transmitting/receiving device
including of a wireless information distribution device, said portable wireless
device having a display and
a transmitting/receiving unit for ~~carrying out~~ radio communication; when
within range of said, ~~with an external transmitting/receiving device composed~~
~~of a wireless information distribution device; and~~
~~a display; and~~
the said method comprising the steps of:
_____ when entering into a radio communication range of said external
transmitting/receiving device, transmitting a communication-ready signal and a
service information request from said portable wireless device to the said
~~external transmitting/receiving device and a service information request;~~
_____ receiving from the said external transmitting/receiving device service
information in response to said service information request; and
_____ displaying said received service information on said display.

32. (Amended) The method for controlling a portable wireless device of claim
31, wherein said service information request includes user information for
identifying a said user of said portable wireless device, and includes an
entry/exit request of said user.

33. (Amended) The method for controlling a portable wireless device of claim
31, wherein:
_____ said service information request includes user attributes; and
_____ said service information received by from said transmitting/receiving ~~unit~~
device corresponds to said user attributes.

34. (Amended) The method for controlling a portable wireless device of claim 31, wherein;

_____ said service information request ~~is~~ includes user transportation information including a departure point and destination point of said user; and
_____ said service information received ~~via~~ from said transmitting/receiving ~~unit device~~ includes information about the movement of ~~said~~ a transportation means specified in said user transportation information.

35. (Amended) The method for controlling a portable wireless device of claim 31, wherein;

_____ said service information request is user transportation information including a departure point and destination point of a user; and
_____ said service information received ~~via~~ from said transmitting/receiving ~~unit device~~ is information about the itinerary of ~~the~~ said user including:
_____ a transportation means to travel from ~~the~~ said starting point to ~~the~~ said destination point;
_____ transfer points; and
_____ methods for transferring at said transfer points;
_____ wherein said itinerary ~~which is corresponding~~ to said user transportation information included in said service information request.

36. (Amended) A computer program product for enabling a computer to control a wireless information distribution device, wherein said ~~the~~ wireless information distribution device ~~comprising~~ includes:
_____ a memory for storing service information;
_____ an external transmitting/receiving device for ~~carrying out~~ radio communication with a portable wireless device located within range of said external transmitting/receiving device; and
said

the computer program comprising the steps of:

_____ storing service information;

_____ receiving a service information request via said external transmitting/receiving device;

_____ retrieving service information corresponding to said service information request; and

_____ transmitting said retrieved service information via the external transmitting/receiving device.

37. (Amended) A computer program product for enabling a computer to control a portable wireless device; wherein

the portable wireless device ~~comprising~~ includes:

_____ a memory for storing a service information request for information desired by a user of said portable wireless device;

_____ a display; and

~~carrying out radio communication with an external transmitting/receiving device~~ for radio communication with ~~of a wireless information distribution device~~; when entering in range of said external transmitting/receiving device; and

~~the said~~ computer program comprising the steps of:

_____ transmitting to said external transmitting/receiving device via said transmitting/receiving unit, when within range, a communication-ready signal and said service information request stored in said memory;

_____ receiving service information ~~via the~~ from said external transmitting/receiving device, in response to, and in corresponding to, said service information request; and

_____ displaying said received ~~requested~~ service information on said display.

38. (Amended) A computer-readable media storing a computer program for enabling a computer to control a wireless information distribution device;

wherein

~~the said~~ wireless information distribution device ~~comprising~~ includes:

- _____ a memory for storing service information;
- _____ an external transmitting/receiving device for ~~carrying out~~ radio communication with a portable wireless device located within range of said external transmitting/receiving device; and
- _____ a control unit; ~~and~~

~~the said~~ computer program comprising the steps of:

- _____ storing service information;
- _____ receiving a service information request via said external transmitting/receiving device;
- _____ retrieving service information from said memory corresponding to said service information request; and
- _____ transmitting said retrieved service information via said external transmitting/receiving device.

39. (Amended) A computer-readable media storing a computer program for causing a computer to control a portable wireless device; wherein the portable wireless device ~~comprises~~ includes:

- _____ a memory for storing service information request;
 - _____ a display; and
 - _____ a transmitting/receiving unit for radio communication ~~carrying out radio communication~~ with an external transmitting/receiving device ~~comprised including of~~ a wireless information distribution device, when entering in range of said external transmitting/receiving device; ~~and~~
- ~~the said~~ computer program comprises steps of:
- _____ transmitting a communication-ready signal and said service information request stored in said memory, via ~~the said~~ transmitting/receiving unit, to the said external transmitting/receiving device;
 - _____ receiving service information via ~~the said~~ external transmitting/receiving

device, in response to the said transmitted service information request; and
_____ displaying said received service information on said display.

FIG. 2

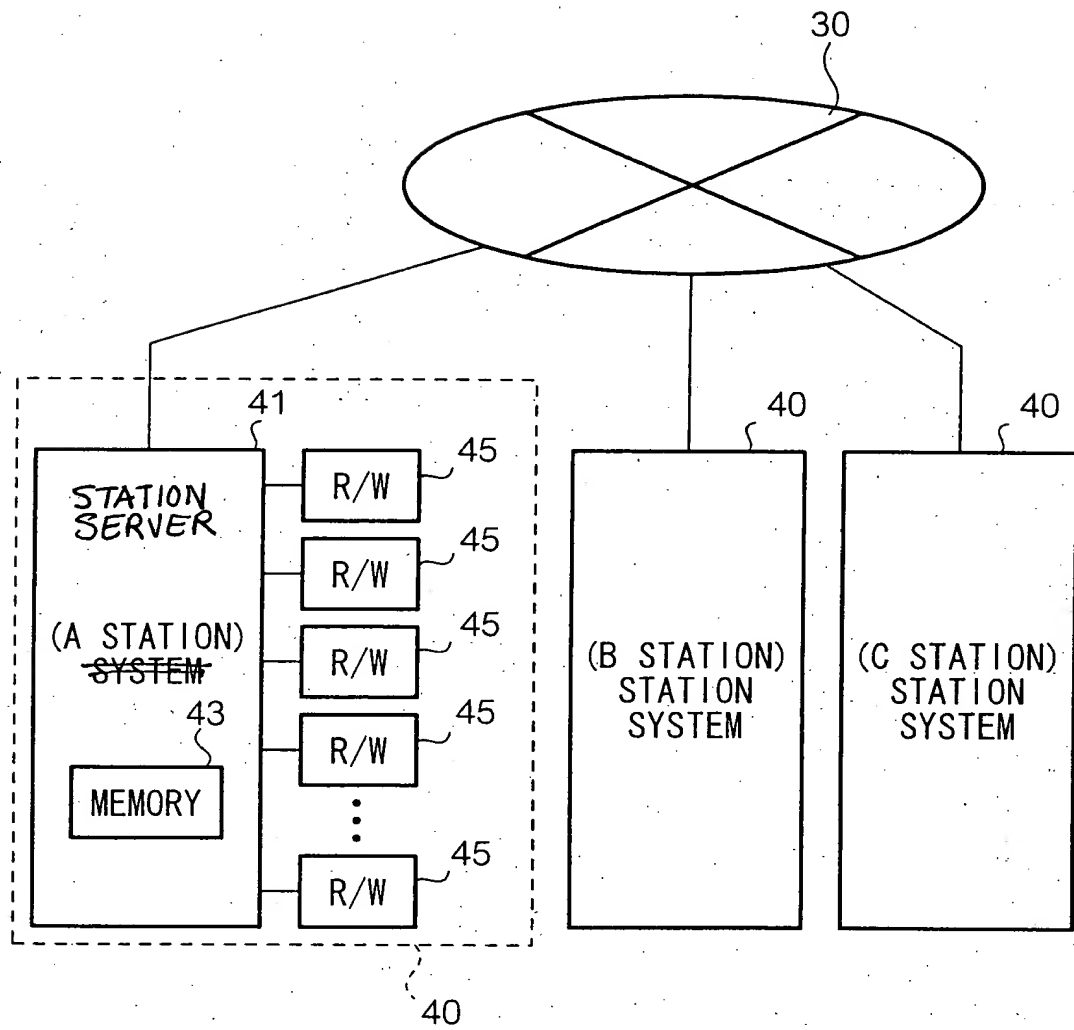


FIG. 9

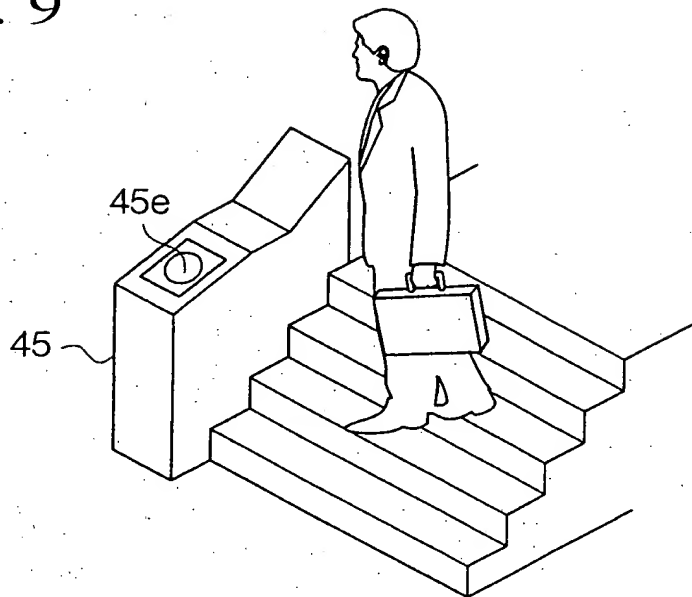


FIG. 10

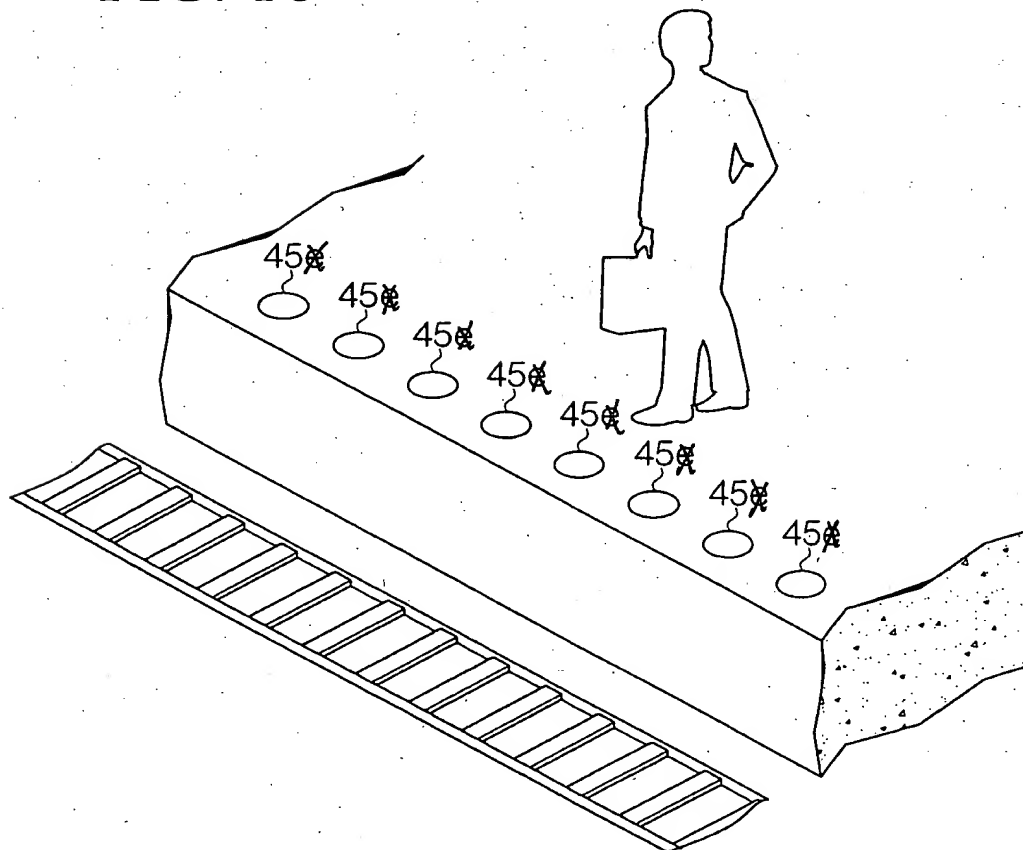


FIG. 14

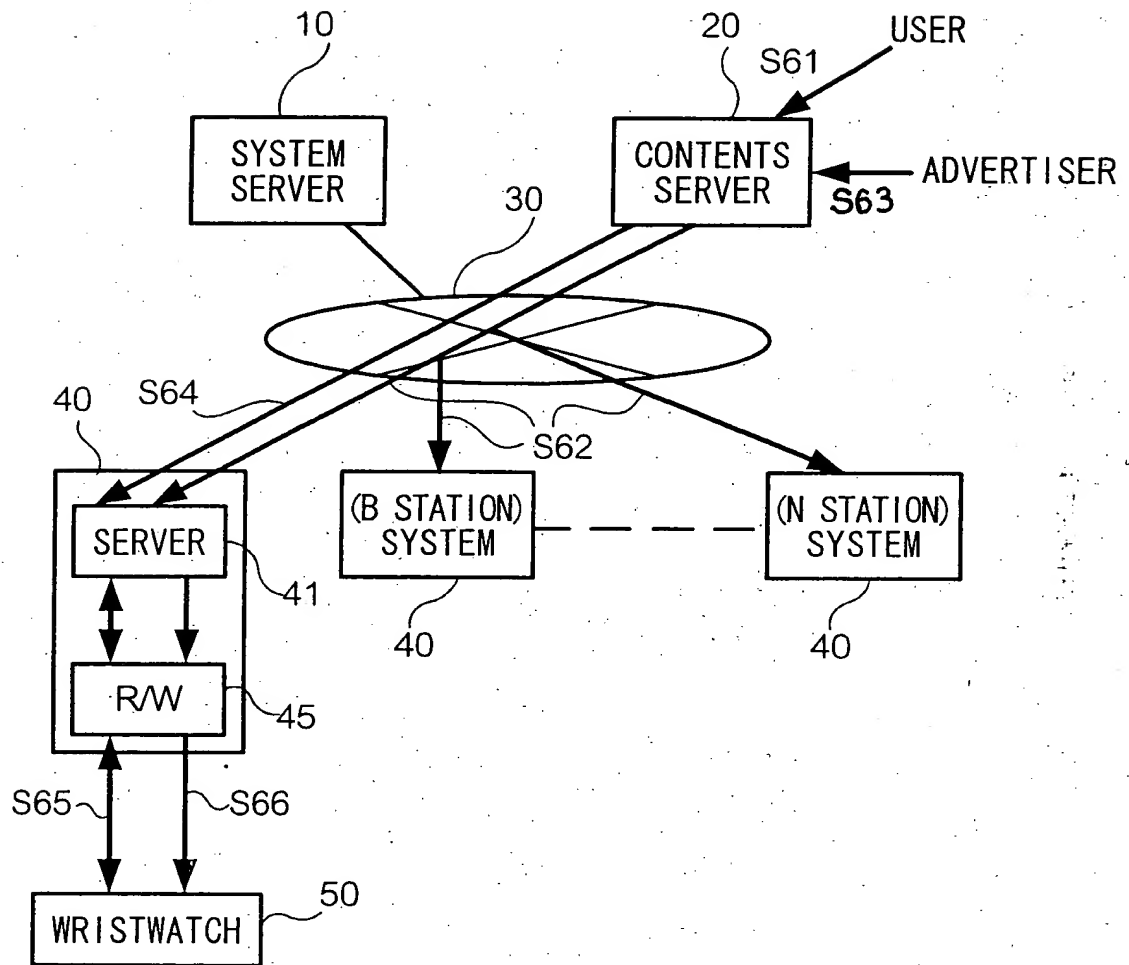


FIG. 15

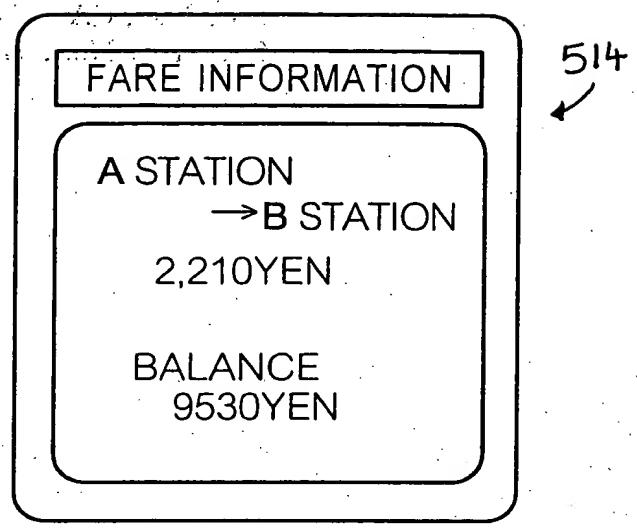


FIG. 16

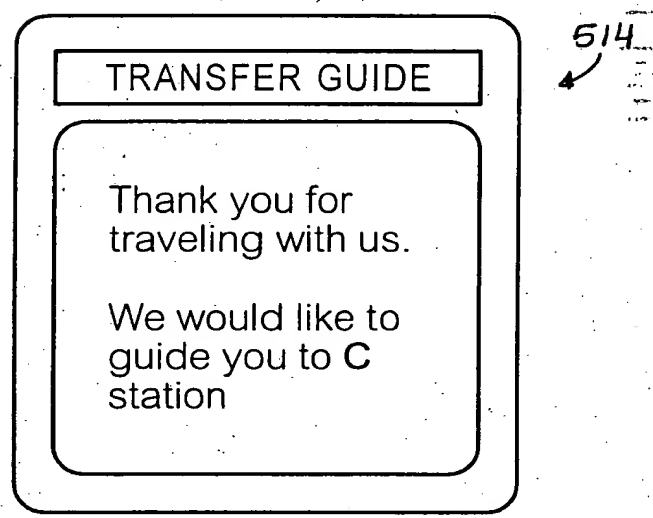
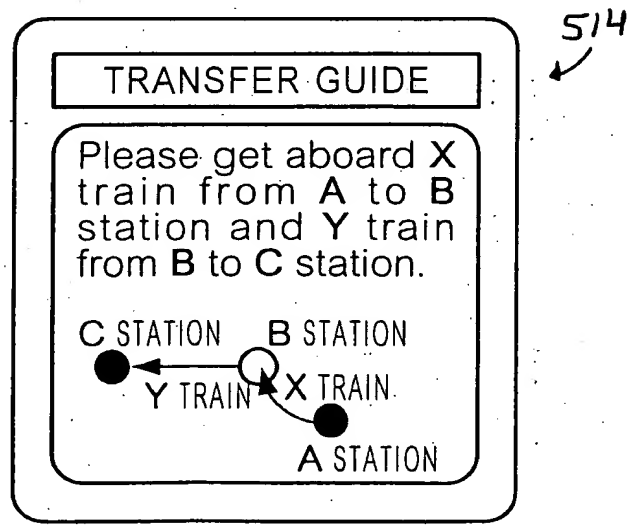


FIG. 17



0000 13/18

FIG. 18

TRANSFER GUIDE

Your scheduled train
is: Limited Express
Departure time: 16:00
Departure station: B station
Destination: C station
Seat: No.1 in Car 1
30 min. available at
B station

514
↙

FIG. 19

OPTIONAL INFORMATION

< LUNCH BOX SHOP
at B STATION >

GO East ticket gate!
Special box lunch
on sale!
50 yen pay back now!!

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↙

FIG. 20

SPORTS NEWS

GIANTS vs. DRAGONS
5 0
(Bottom of 7th)
KIYOHARA: 10th homer

514
↙

FIG. 21

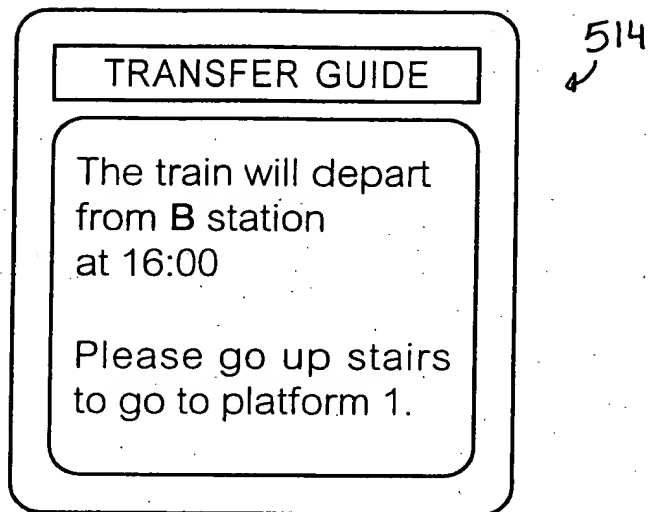


FIG. 22

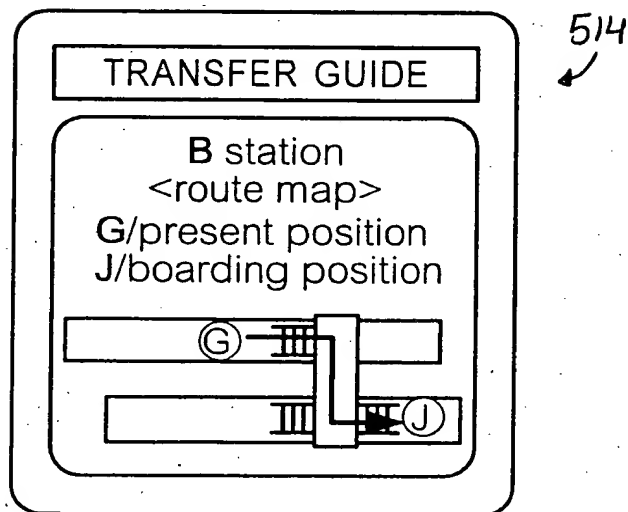
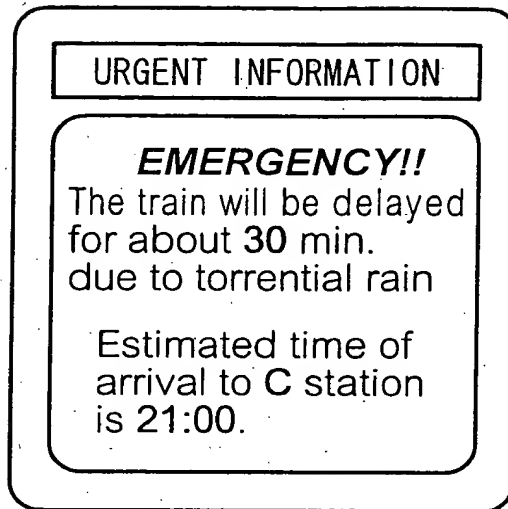


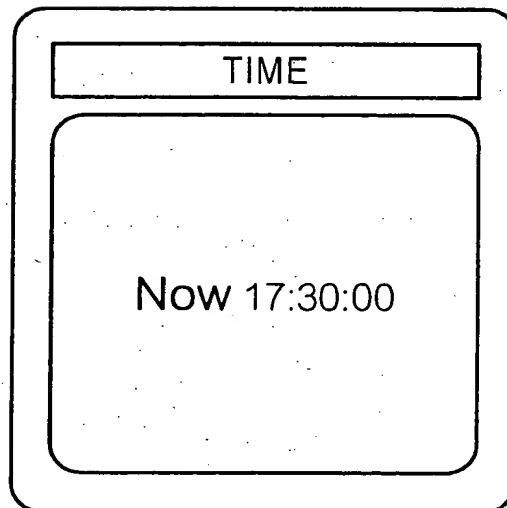
FIG. 23



514



FIG. 24



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